

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
(E13611) Exxon Pipeline Mayflower Arkansas Oil Spill - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region VI

**Subject:** POLREP #10  
Progress Report  
(E13611) Exxon Pipeline Mayflower Arkansas Oil Spill

Mayflower, AR  
Latitude: 34.9638070 Longitude: -92.4286530

**To:** Dean Vanderhoff, ADEQ  
Lawrence Stanton, EPA HQ  
R6 PolRep OPA, Response and Prevention Branch  
R6 PolRep AR, Response and Prevention Branch  
Ragan Broyles, Superfund Division

**From:** Nicolas Brescia, OSC

**Date:** 4/16/2013

**Reporting Period:** 04/14/-04/16/2013

## 1. Introduction

### 1.1 Background

<b>Site Number:</b>	<b>Contract Number:</b>
<b>D.O. Number:</b>	<b>Action Memo Date:</b>
<b>Response Authority:</b> OPA	<b>Response Type:</b> Emergency
<b>Response Lead:</b> PRP	<b>Incident Category:</b> Removal Assessment
<b>NPL Status:</b> Non NPL	<b>Operable Unit:</b>
<b>Mobilization Date:</b> 3/29/2013	<b>Start Date:</b> 3/29/2013
<b>Demob Date:</b>	<b>Completion Date:</b>
<b>CERCLIS ID:</b>	<b>RCRIS ID:</b>
<b>ERNS No.:</b>	<b>State Notification:</b>
<b>FPN#:</b>	<b>Reimbursable Account #:</b>

#### 1.1.1 Incident Category

Transportation-Related: Pipeline Spill

#### 1.1.2 Site Description

##### 1.1.2.1 Location

The pipeline spill occurred in a residential neighborhood in Mayflower, Faulkner County, Arkansas (34.963807 Latitude, -92.428653 Longitude). Approximately 21 homes were evacuated in the neighborhood due to elevated VOC readings and due to the amount of oil present on the ground and in the street.

#### 1.1.2.2 Description of Threat

The damaged pipeline released Wabasca heavy crude oil into the North Woods Subdivision. Crude oil then flowed west along N. Starlite Road, into a bar ditch adjacent to a Union Pacific Railroad line, into an unnamed creek, and into a tributary to a cove of Lake Conway. Lake Conway is a tributary to the Arkansas River. Local residents have been evacuated from 21 homes due to elevated levels of VOCs and benzene detected in the source area of the spill.

#### 1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

The source was a Pegasus Line that connects Patoka, IL to Nederland, TX, approximately 850 miles long. The 20-inch pipeline has a capacity of 95,000 barrels per day. The pipeline is buried 24 inches deep with a distance of 18 miles between isolation valves. The pipeline release began Friday afternoon 29 March 2013. The break in the line was isolated and the pipeline stopped leaking oil at approximately 0300 hours 30 March 2013. The RP is estimating approximately 2,000 bbl of oil has been released.

## 2. Current Activities

### 2.1 Operations Section

#### 2.1.1 Narrative

#### 2.1.2 Response Actions to Date

##### April 14 - April 16, 2013

EPA/START has conducted a total of 3 residential re-entry surveys. All residences were found to be non-detect for VOCs and benzene.

START continued daily routine air monitoring throughout the impacted neighborhood. There were no significant readings for VOCs.

OSCs Mason and McAteer replaced OSCs Leos and Martin. OSC Rhotenberry transitioned with OSC Brescia.

Exxon crews removed and replaced the broken pipeline. The damaged pipeline was transported to an independent third-party laboratory for metallurgy testing; Several news media outlets covered the event.

Unified Command agreed to change the operational period to 7 days.

Unified Command began planning / implementation of air sampling as part of the re-entry process for residences.

The RP continues removal of a portion of the storm sewer and water line adjacent to Starlite Lane to remove small amounts of oil which is under the lines.

EPA Region 6 issued a press release on April 13th concerning the 308 letter issued by EPA and the response from the RP.

Cleanup is almost complete in the affected section between North Main Road and the interstate highway (I-40). Restoration of the site to its previous state will follow.

ADEQ continues to sample Lake Conway to verify no oil present.

Approximately 29,018 bbl oil/water mixture has been collected to date.

#### 2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

The Pegasus pipeline is operated by ExxonMobil Pipeline Company.

#### 2.1.4 Progress Metrics

<i><b>Waste Stream</b></i>	<i><b>Medium</b></i>	<i><b>Quantity</b></i>	<i><b>Manifest #</b></i>	<i><b>Treatment</b></i>	<i><b>Disposal</b></i>
Oil and Water		29,018* bbl			


\* Total Volume to Date was corrected recently and will be re-calculated again next reporting period.

### 2.2.1 Anticipated Activities

Unified Command will continue to provide the community and media with high priority and responsiveness. Execute approved plans and assess progress on daily basis.

#### 2.2.1.1 Planned Response Activities

EPA/START and RP's contractor will continue independent area air monitoring to identify VOC levels in the impacted residential areas.

Continue the re-entry process for the evacuated residents

Continue recovery of relatively small amounts of remaining oil and oiled debris.

At least two members of the House of Representatives will be visiting the site on Sunday.

#### 2.2.1.2 Next Steps

For planning purposes, began development of smooth transition from the response phase to the long-term assessment and remediation phase.

### 2.2.2 Issues

There continues to be high interest from local and national media and activist groups.

## 2.2 Planning Section

No information available at this time.

## 2.3 Logistics Section

No information available at this time.

## 2.4 Finance Section

### Estimated Costs \*

	Budgeted	Total To Date	Remaining	% Remaining
<b>Extramural Costs</b>				
PRFA w/ US FWS	\$17,500.00	\$17,500.00	\$0.00	0.00%
TAT/START	\$300,000.00	\$124,000.00	\$176,000.00	58.67%
<b>Intramural Costs</b>				
USEPA - Direct	\$110,500.00	\$97,000.00	\$13,500.00	12.22%
USEPA - InDirect	\$72,000.00	\$72,000.00	\$0.00	0.00%
<b>Total Site Costs</b>	<b>\$500,000.00</b>	<b>\$310,500.00</b>	<b>\$189,500.00</b>	<b>37.90%</b>

\* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to

any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

## **2.5 Other Command Staff**

No information available at this time.

## **3. Participating Entities**

### **3.1 Unified Command**

ExxonMobil Representatives  
Federal and State Agencies

### **3.2 Cooperating Agencies**

Arkansas Department of Environmental Quality  
Arkansas Department of Emergency Management  
Arkansas Game and Fish  
Arkansas Department of Health  
Faulkner County Emergency Management  
Mayflower Fire Department  
Mayflower Police Department  
Faulkner County Judge  
US FWS

## **4. Personnel On Site**

- 4 - EPA personnel (Incident Command, Planning, Operations, PIO)
- 2 - EPA START personnel (air monitoring)

## **5. Definition of Terms**

RP - Responsible Party

## **6. Additional sources of information**

### **6.1 Internet location of additional information/report**

[www.epaosc.org/exxonmayflower](http://www.epaosc.org/exxonmayflower)

### **6.2 Reporting Schedule**

Operational Period of 72 hours.

## **7. Situational Reference Materials**

No information available at this time.